

Applicant : David G. Clash                      Art Unit: 1745  
Serial No. : 10/784,749                      Examiner: Tracy Mae Dove  
Filed : February 23, 2004  
For : Zinc Shapes for Anodes of Electrochemical Cells

### CLAIM AMENDMENTS

1. (canceled)
2. (canceled)
3. (canceled)
4. (canceled)
5. (canceled)
6. (canceled)
7. (canceled)
8. (canceled)
9. (canceled)
10. (canceled)
11. (canceled)
12. (canceled)
13. (canceled)
14. (canceled)
15. (canceled)
16. (canceled)
17. (canceled)
18. (canceled)
19. (canceled)
20. (currently amended) An electrochemical cell comprising a non-mercury added zinc anode comprising uniformly shaped zinc particles having ~~consistent~~ smooth surface finishes.

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21. (canceled)
22. (previously presented) The electrochemical cell defined in claim 20 wherein said zinc particles comprise consistent porosity characteristics.
23. (previously presented) The electrochemical cell defined in claim 22 wherein said porosity is greater than 25 percent.
24. (previously presented) The electrochemical cell defined in claim 23 wherein said porosity is greater than 50 percent.
25. (previously presented) The electrochemical cell defined in claim 20 wherein said uniformly shaped zinc particles have a morphology selected from the group consisting of filament, donut, biscuit, tentacle, snake, corrugated, helix, dog bone, sponge, honeycomb, and foam.
26. (previously presented) The electrochemical cell defined in claim 20 wherein said uniformly shaped zinc particles have a tap density less than 2.5 g/cc.
27. (previously presented) The electrochemical cell defined in claim 20 wherein said uniformly shaped zinc particles have a tap density less than 2.0 g/cc.
28. (previously presented) The electrochemical cell defined in claim 20 wherein said uniformly shaped zinc particles have a tap density less than 1.5 g/cc.
29. (previously presented) The electrochemical cell defined in claim 20 wherein said uniformly shaped zinc particles have a tap density less than 1.3 g/cc.
30. (previously presented) The electrochemical cell defined in claim 20 wherein said anode has a zinc weight concentration less than 70 percent.
31. (previously presented) The electrochemical cell defined in claim 20 wherein said anode has a zinc weight concentration less than 68 percent.

